[illegible]
SOP([illegible])[illegible]

2019[illegible]9[illegible]6[illegible] [illegible]

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[illegible]

[illegible]　[illegible]

[illegible]

1995[illegible]　[illegible] ([illegible]) [illegible]
[illegible]

2003[illegible]　[illegible]
[illegible]
[illegible]

CEDEC2017[illegible]Houdini16[illegible]HDA[illegible]([illegible])[illegible]

CEDEC2018[illegible] Part 1 [illegible]　Procedural Hard Surface Design With HOUDINI[illegible]

SIGGRAPH2019 ASIA2019 HOUDINI HIVE[illegible]Procedural Hard Surface Design[illegible]

[illegible]

- CEDEC 2017

  Houdini16 [illegible] HDA [illegible] ([illegible])

  CEDEC [illegible]
  http://cedec.cesa.or.jp/2017/session/VA/s58de648b11e63.html
  CEDiL
  https://cedil.cesa.or.jp/cedil_sessions/view/1710

  Houdini16 [illegible] 2 [illegible] HDA [illegible]

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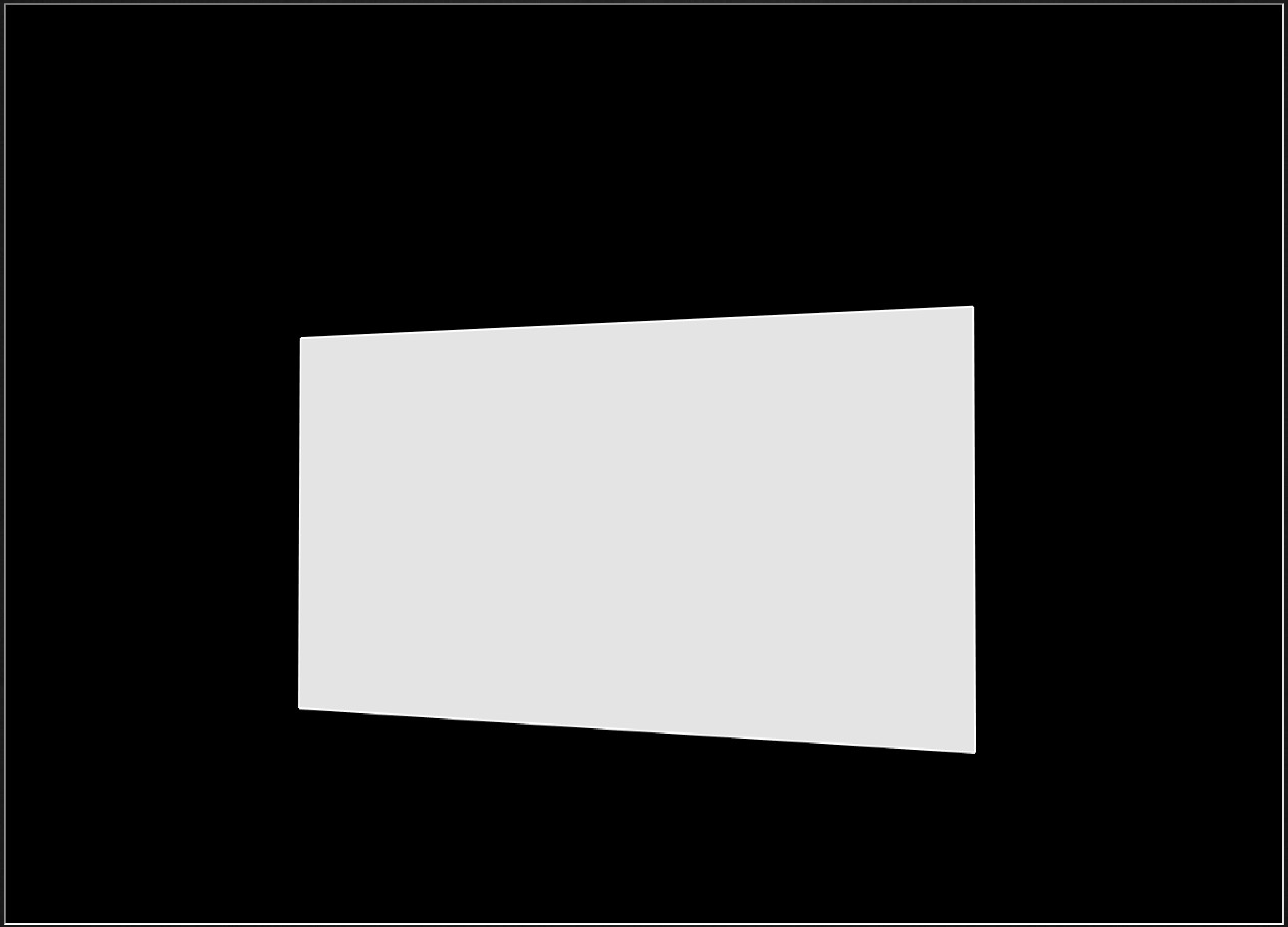
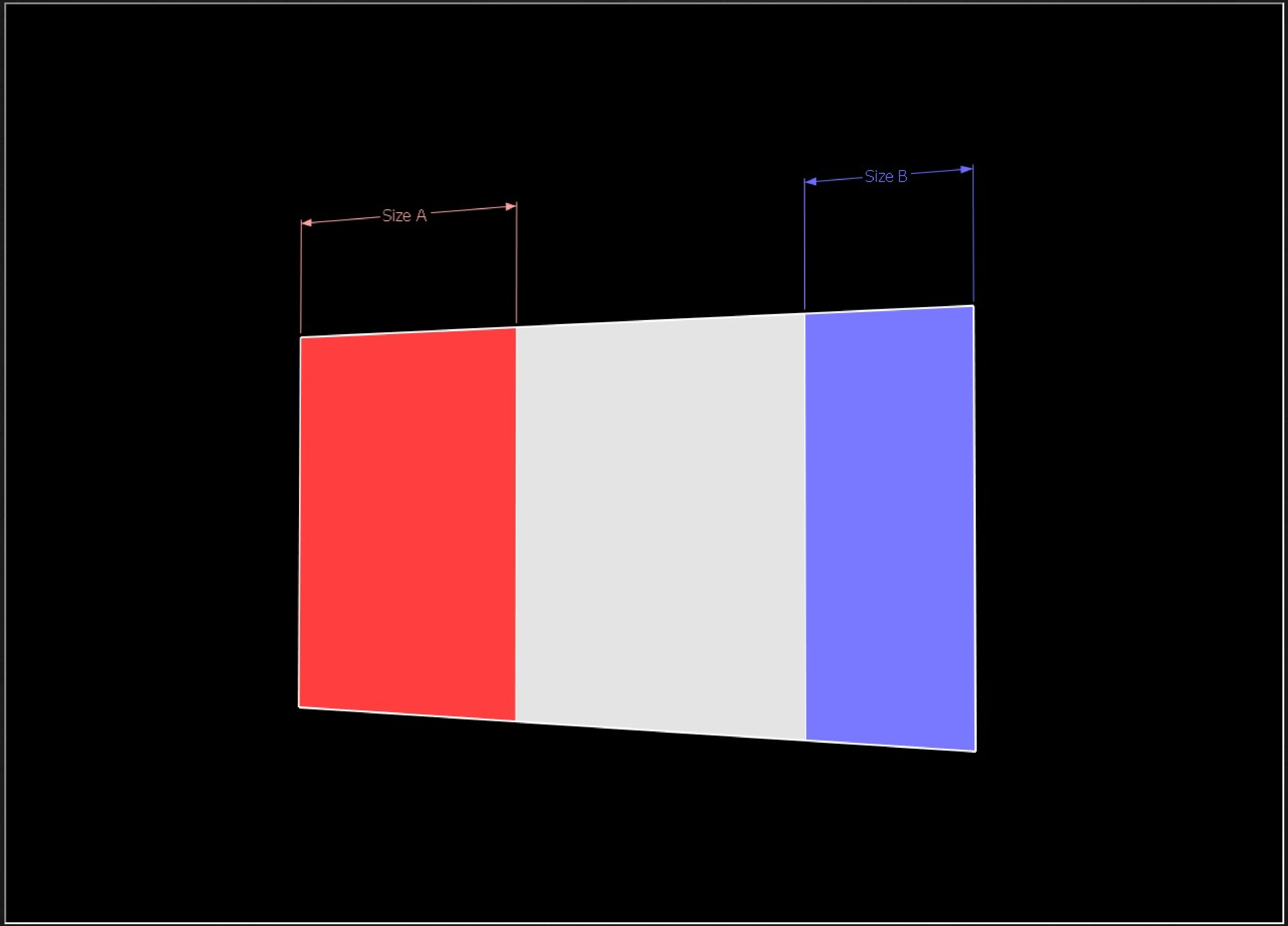
Side Divide([illegible])

- Size A [illegible] Size B [illegible]



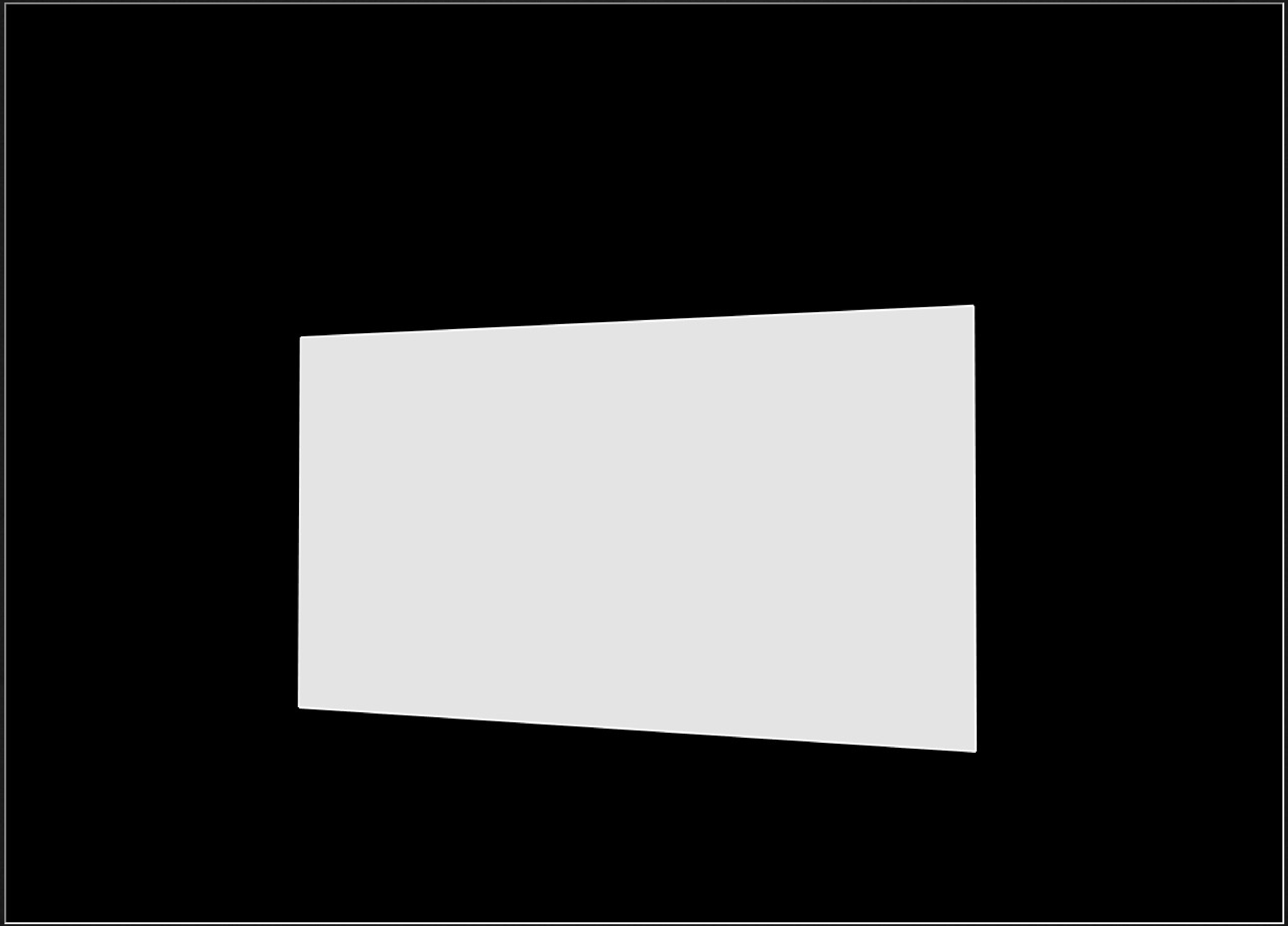
Side Divide([illegible])

- Size A [illegible] Size B [illegible]



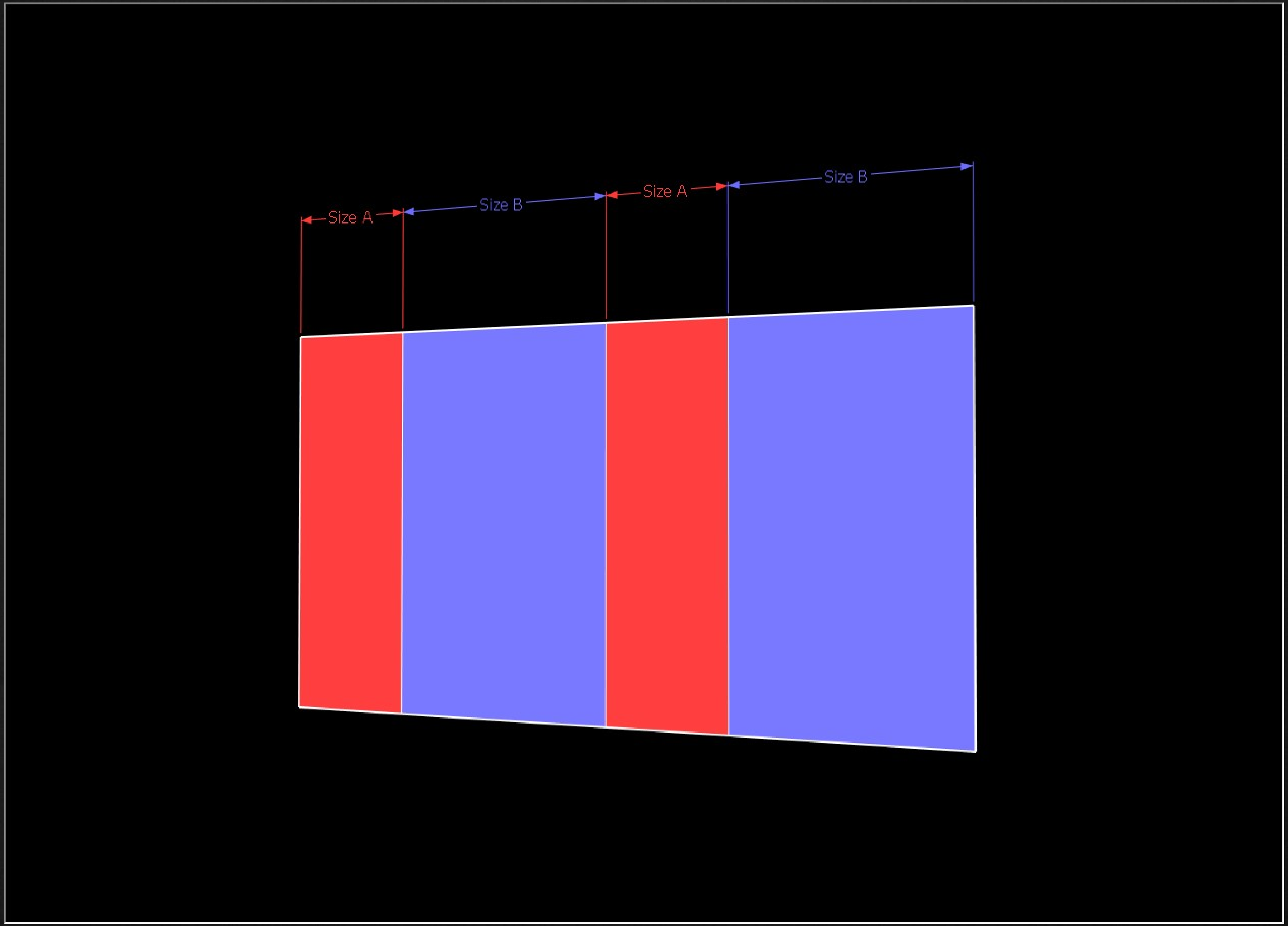
Multi Divide([illegible])

- Size A [illegible]
  Size B [illegible] Size A [illegible] Size B×2 [illegible]



Multi Divide(□□□□□)

- Size A □□□□□□□□□□□
  Size B □□□□□□□□□ Size A □ Size B×2 □□□□□□□□□□□□□□□□□□



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Multi Divide(□□□□□)

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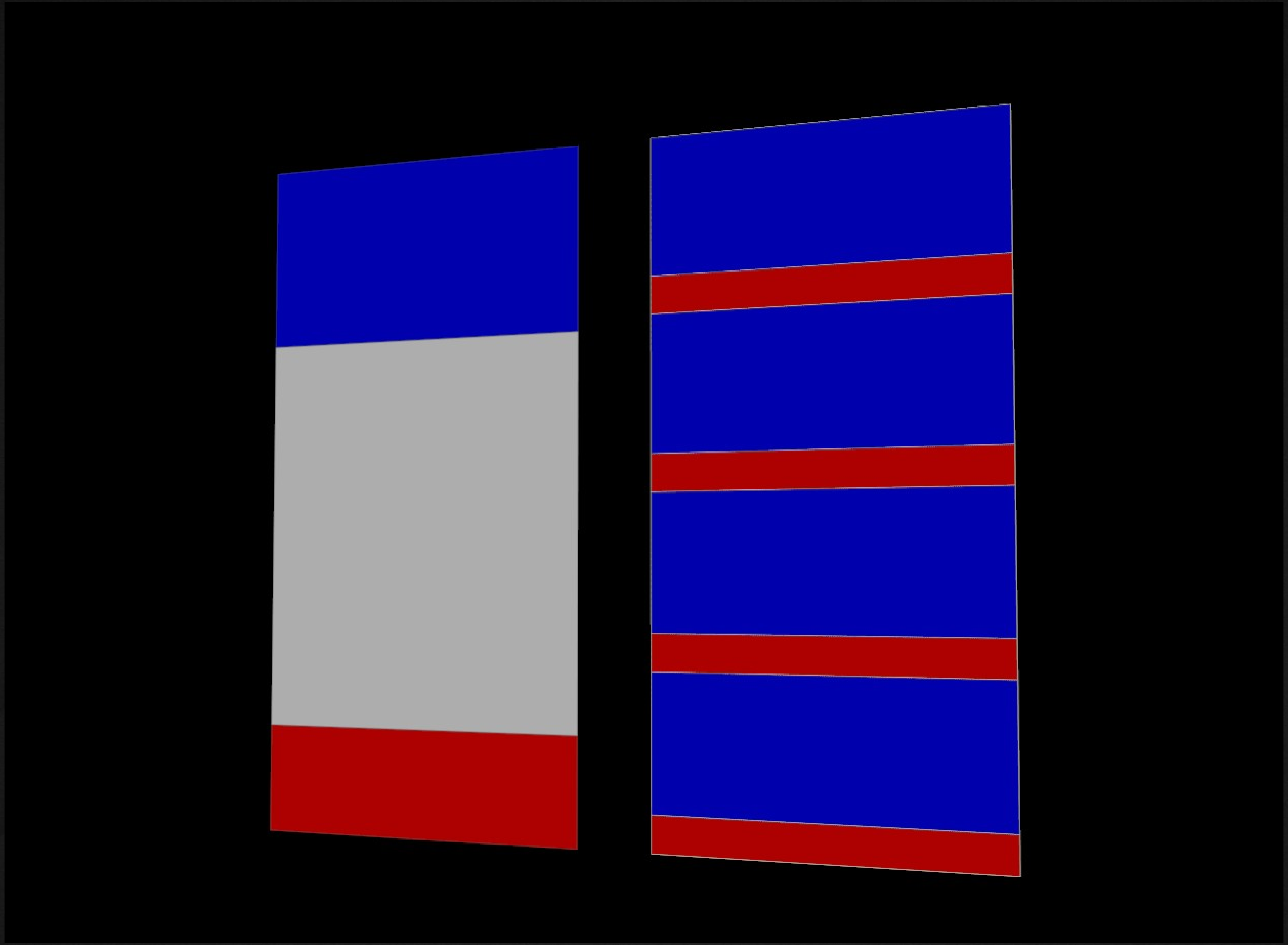

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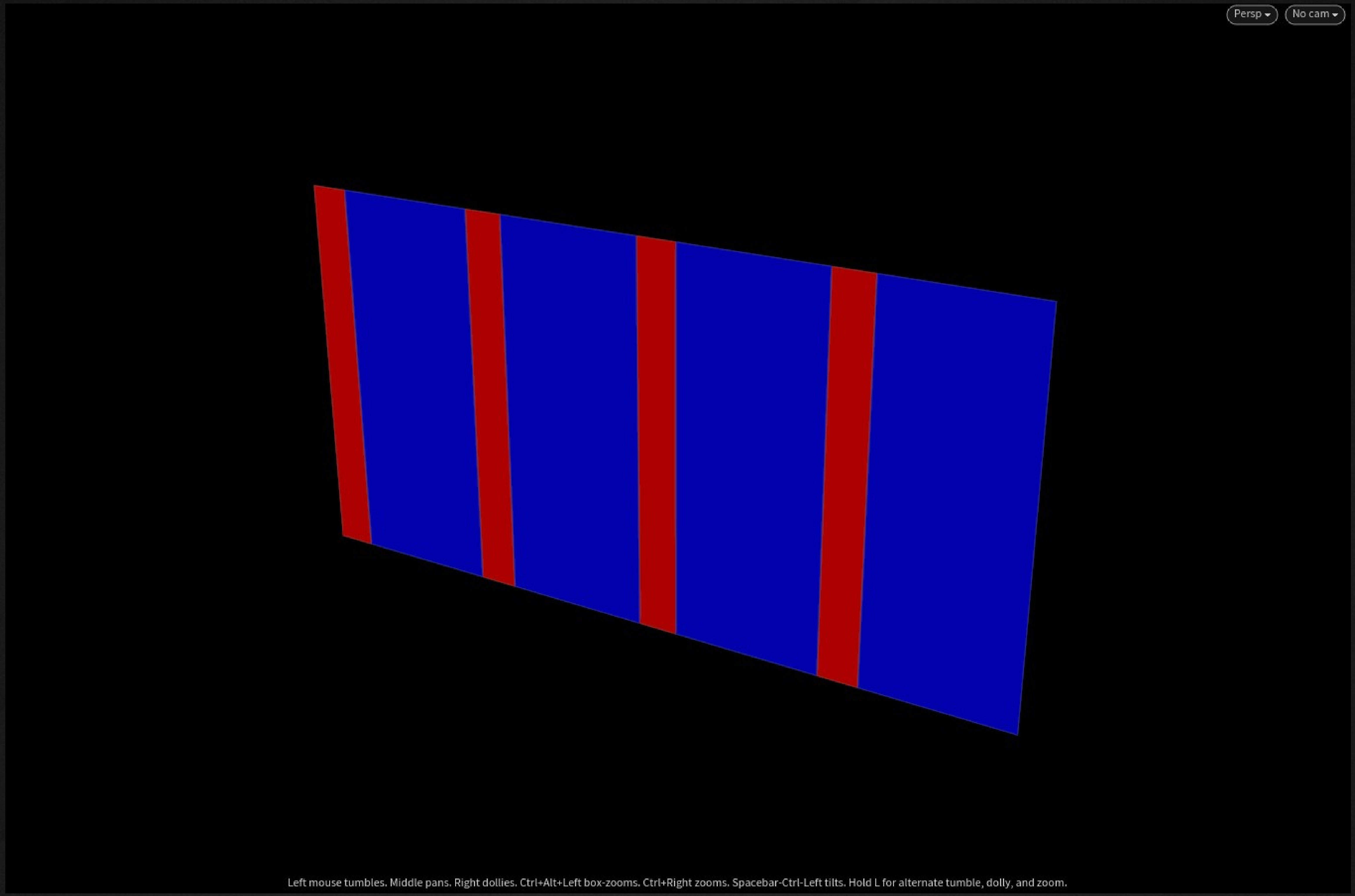
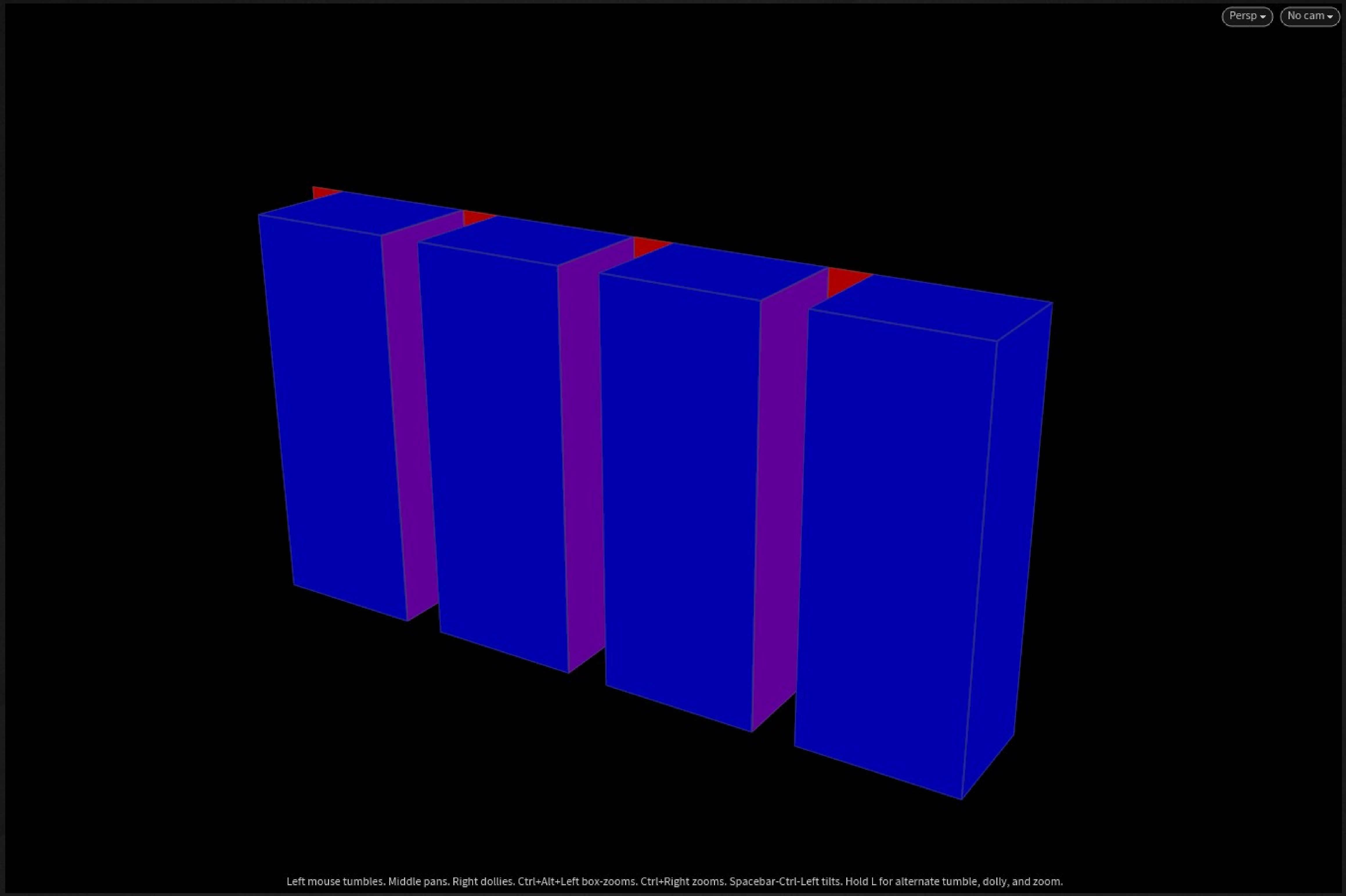
□□□□□□□□□

PolyExtrude(□□□□)□□□□



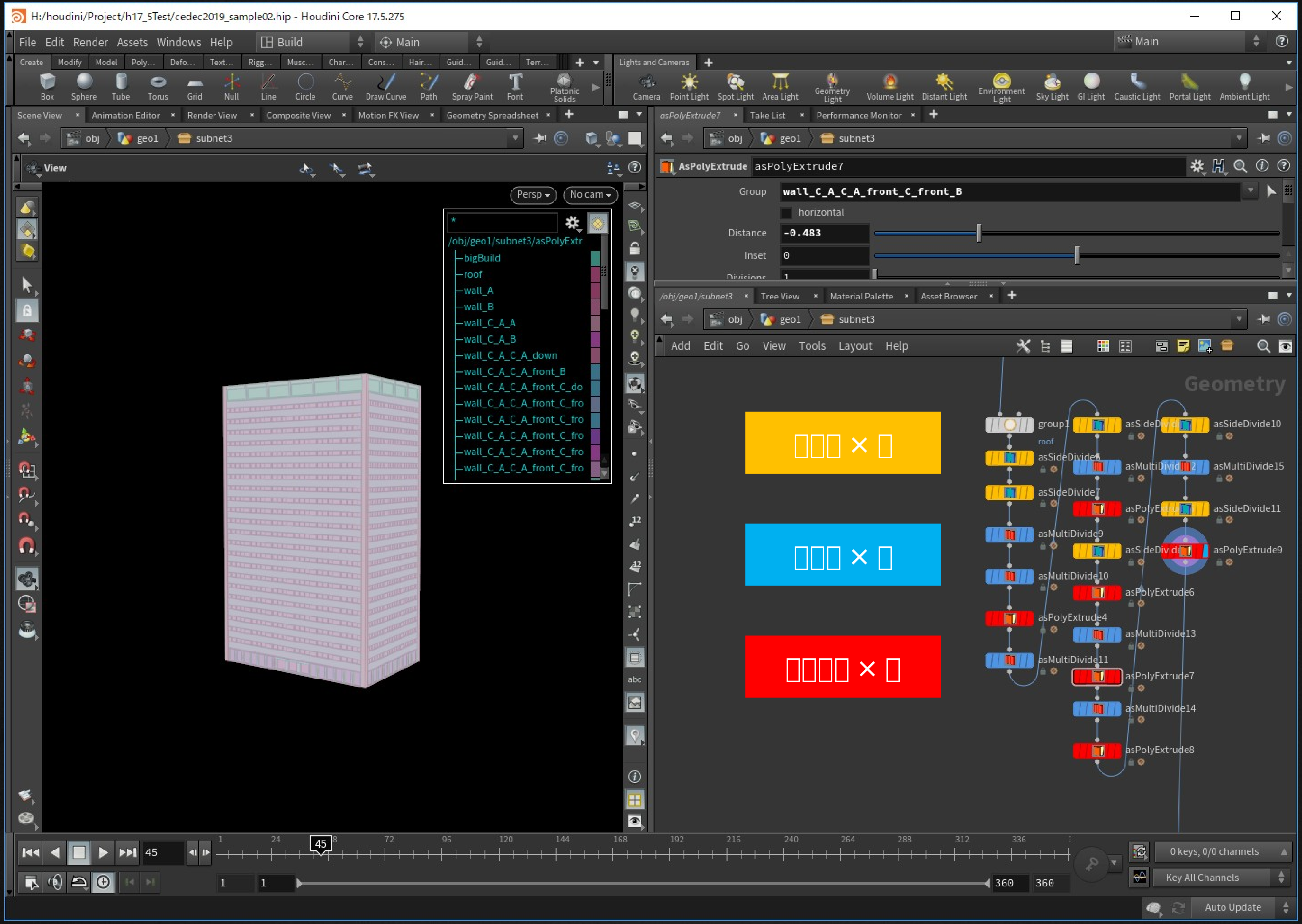
[illegible]

PolyExtrude([illegible]) [illegible]



[illegible]

- Side Divide ([illegible])
- Multi Divide ([illegible])
- Poly Extrude ([illegible] [illegible])



H:/houdini/Project/h17_5Test/cedec2019_sample02.hip - Houdini Core 17.5.275
AsPolyExtrude asPolyExtrude7
Group wall_C_A_C_A_front_C_front_B
horizontal
Distance -0.483
Inset 0
/obj/geo1/subnet3/asPolyExtr
bigBuild
roof
wall_A
wall_B
wall_C_A_A
wall_C_A_B
wall_C_A_C_A_down
wall_C_A_C_A_front_B
Geometry
group1
asSideDivide6
asSideDivide7
asMultiDivide9
asMultiDivide10
asPolyExtrude4
asMultiDivide11
asPolyExtrude6
asMultiDivide13
asPolyExtrude7
asMultiDivide14
asPolyExtrude8
asSideDivide10
asMultiDivide15
asSideDivide11
asPolyExtrude9

[illegible]
SOP([illegible])[illegible]

2019[illegible]9[illegible]6[illegible] [illegible]

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CEDEC2017 [illegible]

- Twitter [illegible] SNS [illegible] HDA [illegible]
- [illegible]

- [illegible] Houdini [illegible]
  [illegible]

- [illegible]

CEDEC2017 [illegible]

- [illegible]
- [illegible]…

Houdini [illegible]

- SOP VEX Python Expression…PDG…
  [illegible]

Houdini [illegible]

Python

SOP [illegible]

SOP [illegible] +Expression [illegible]

[illegible]

VEX

[illegible]

[illegible]

Python SOP

NumPy [illegible]

[illegible] I/O [illegible]

Houdini [illegible]

Python
SOP [illegible]

SOP [illegible] +Expression [illegible]
[illegible]

VEX
[illegible]
[illegible]

Python SOP
NumPy [illegible]
[illegible] I/O [illegible]

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[illegible]

- SOP([illegible])[illegible]
- [illegible]
  - Side Divide
  - Multi Divide
  - Poly Extrude

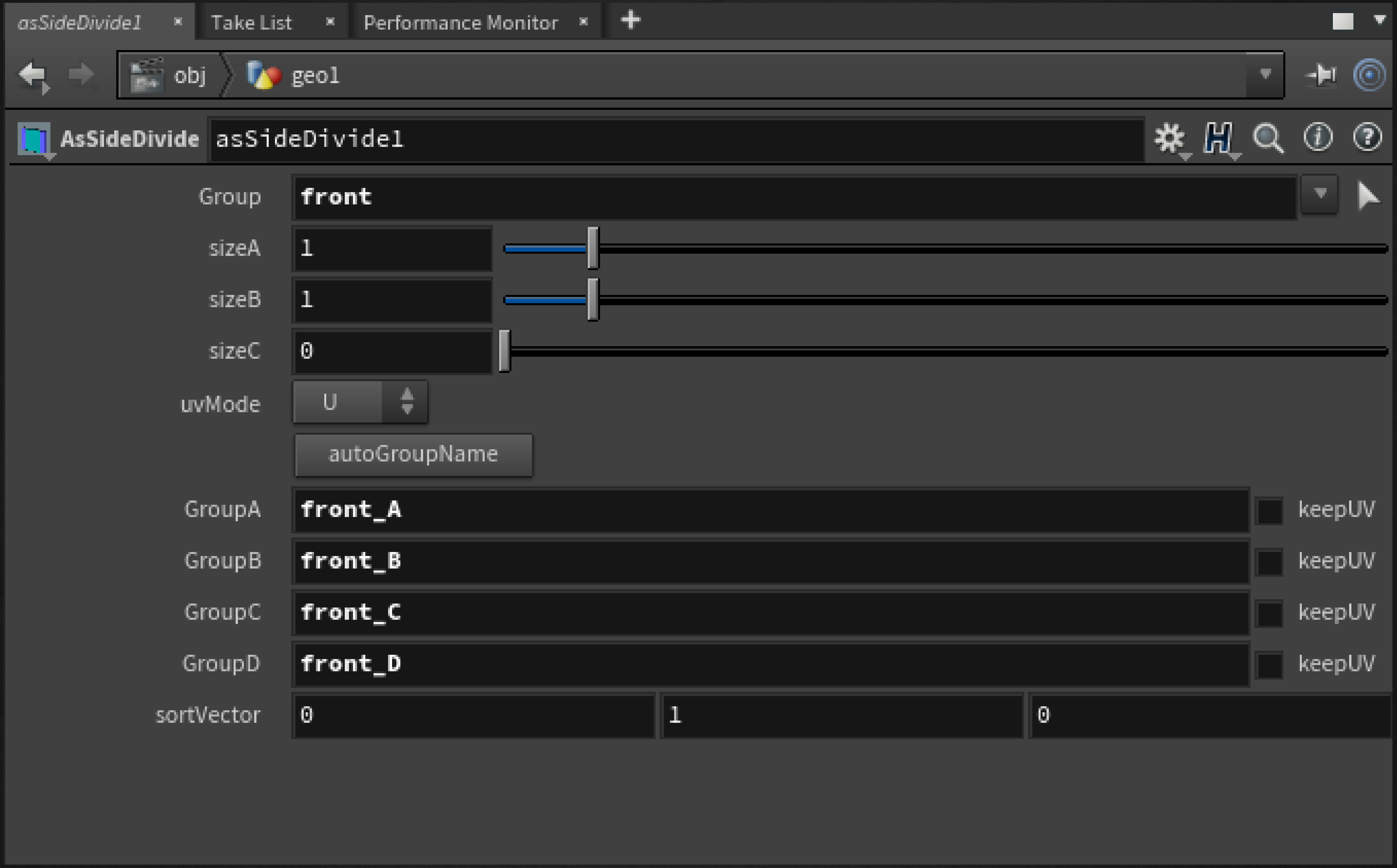
  [illegible]
  [illegible]

[illegible]

- Houdini [illegible] Tab [illegible]
  [illegible]
- [illegible]
- [illegible]

[illegible]

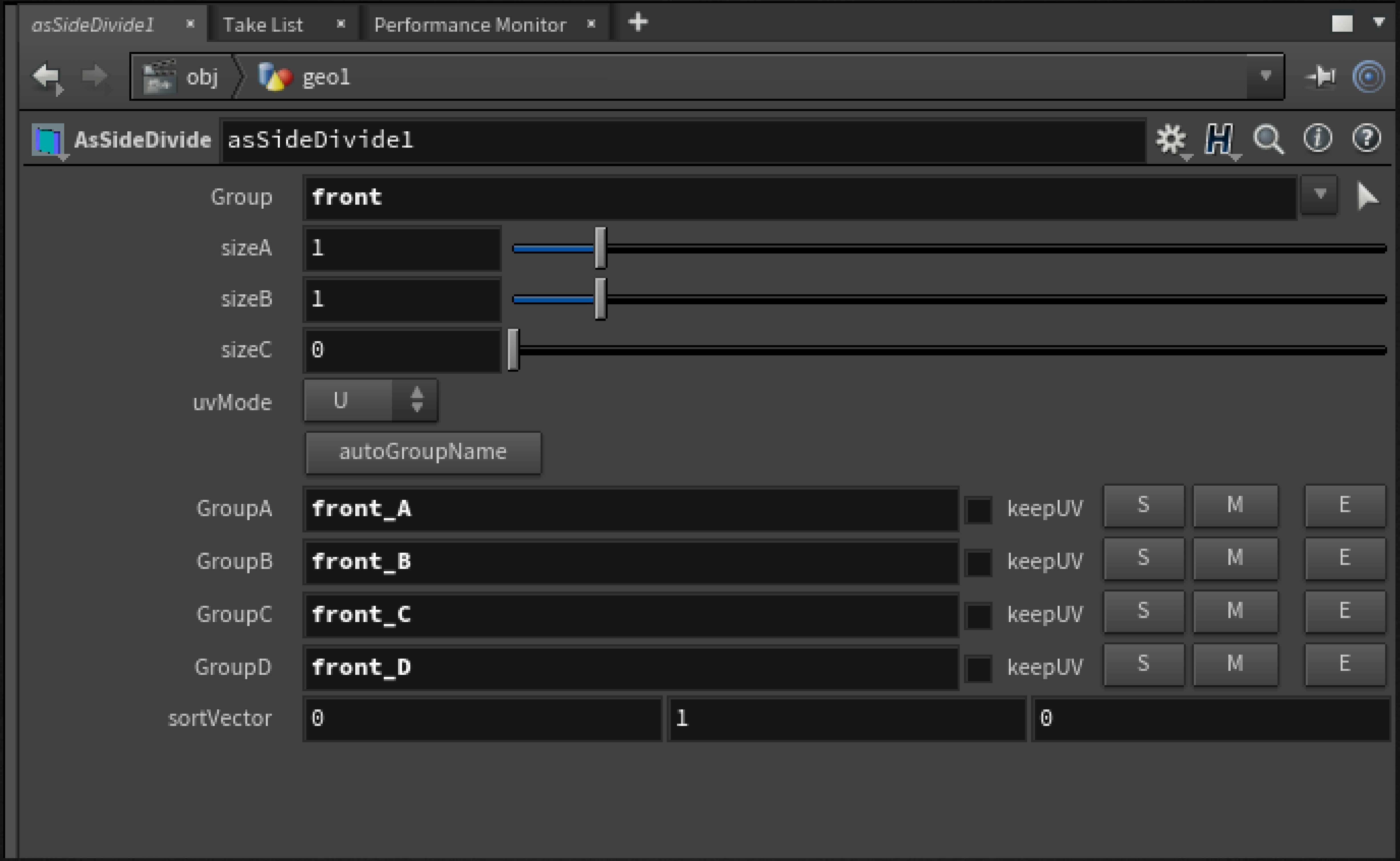
- [illegible]
  SideDivide [illegible] MultiDivide [illegible]



[illegible]

[illegible]

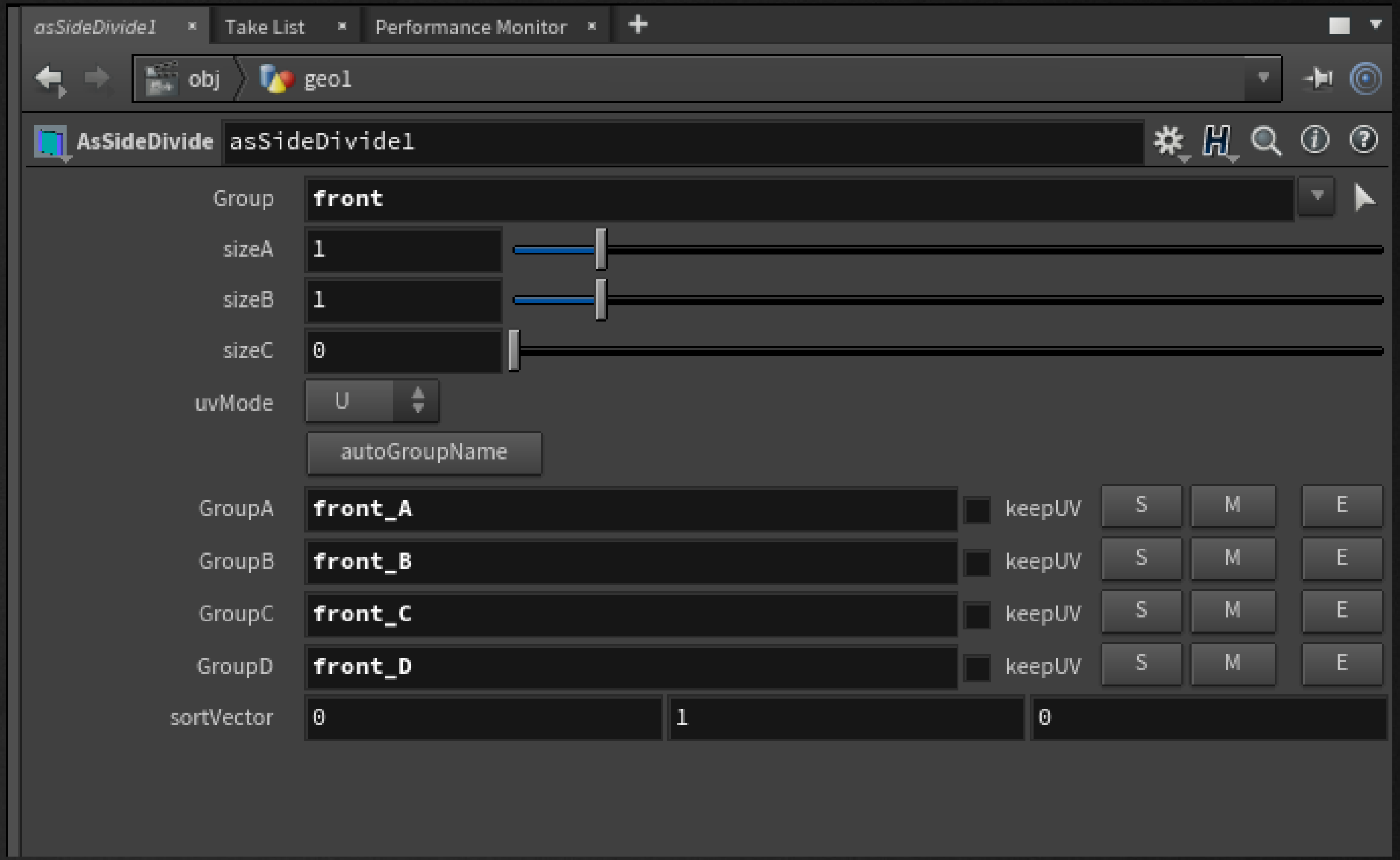
- [illegible]
  SideDivide [illegible] MultiDivide [illegible]



[illegible]

- 【S】 Side Divide
  【M】Multi Divide
  【E】 Poly Extrude

  [illegible]
  [illegible] HDA
  Poly Extrude [illegible]



- [illegible]

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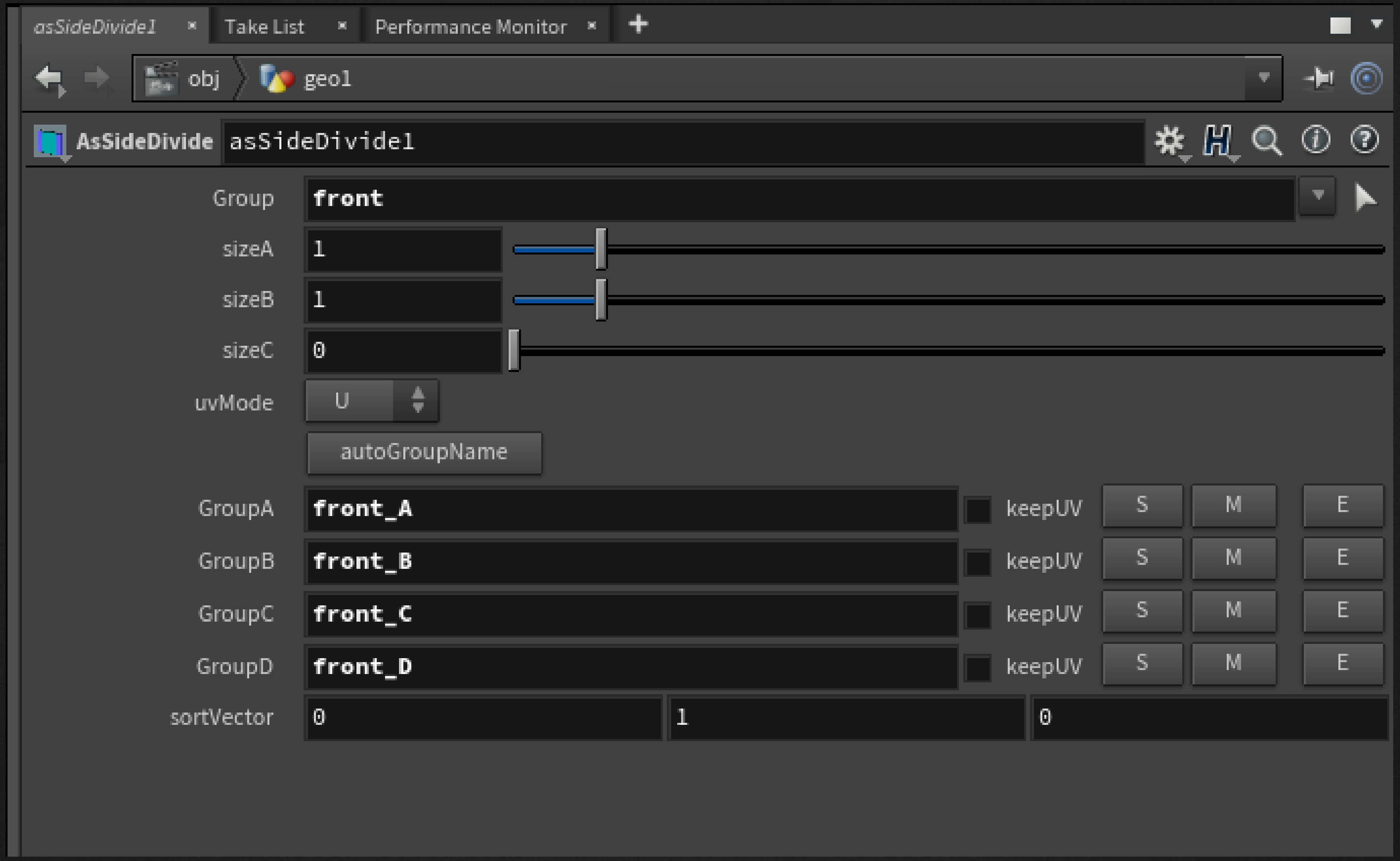
[illegible]

[illegible]

- [illegible] Python [illegible]
- [illegible] call back [illegible]

- [illegible]



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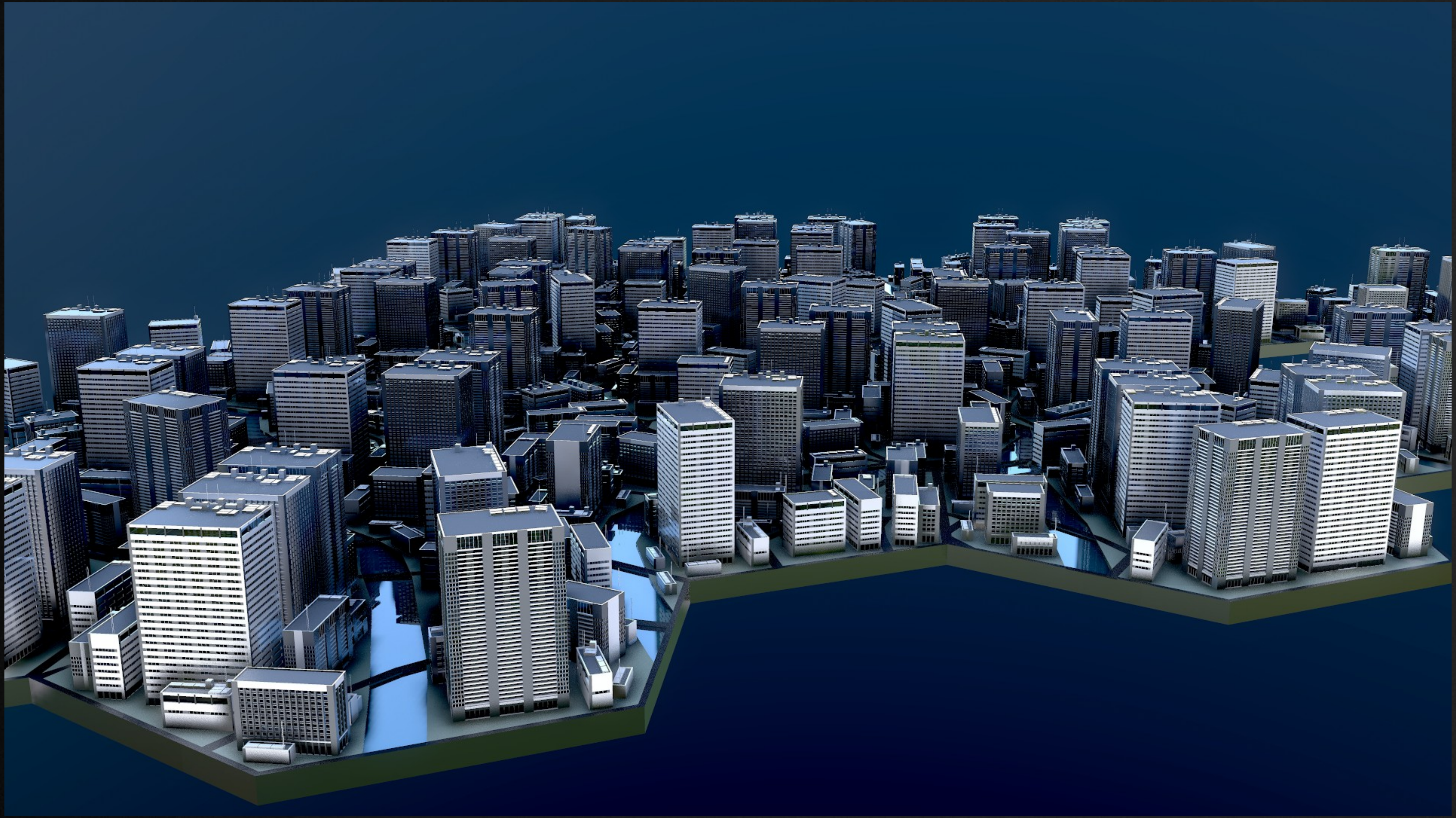
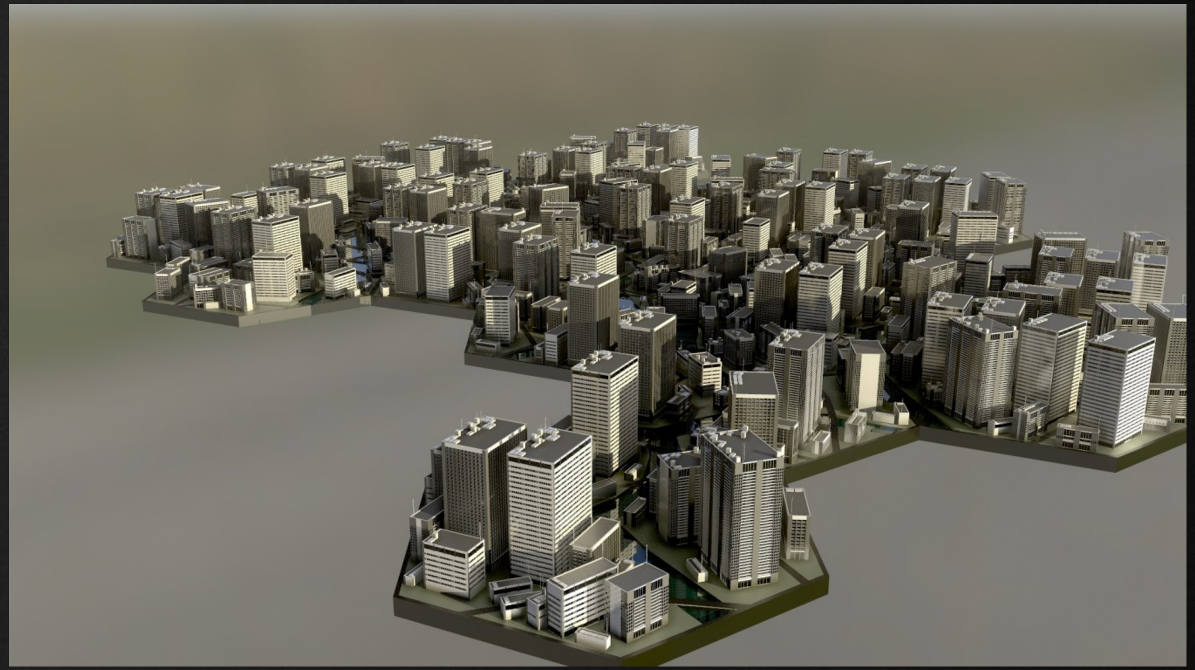
[illegible]

[illegible]





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[illegible]

Houdini [illegible]

Python
SOP [illegible] [illegible] UI [illegible]

SOP [illegible] +Expression [illegible]
[illegible]

VEX
[illegible]
[illegible]

Python SOP
NumPy [illegible]
[illegible] I/O [illegible]